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Timestamp: [year=2008; month=10; day=17; hr=14; min=55; sec=32; ms=1;]

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Application No: 09509712 Version No: 1.0

Input Set:

Output Set:

Started: 2008-10-17 14:12:35.466
Finished: 2008-10-17 14:12:37.703
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 237 ms
Total Warnings: 0
Total Errors: 0
No. of SeqIDs Defined: 127
Actual SeqID Count: 127

<110> APPLICANT: Rubin, Donald H.
Organ, Edward L.
DuBois, Raymond N.
<120> TITLE OF INVENTION: Mammalian Genes Involved in Viral
Infection and Tumor Suppression
<130> FILE REFERENCE: 01123.0004

<140> CURRENT APPLICATION NUMBER:09509712
<141> CURRENT FILING DATE:2000-03-31
<150> PRIOR APPLICATION NUMBER: PCT/US98/21276
<151> PRIOR FILING DATE: 1998-10-08
<150> PRIOR APPLICATION NUMBER: 60/062,021
<151> PRIOR FILING DATE: 1997-10-10
<160> NUMBER OF SEQ ID NOS: 127
<170> SOFTWARE: FastSEQ for Windows Version 4.0

<210> SEQ ID NO 1
<211> LENGTH: 925
<212> TYPE: DNA
<213> ORGANISM: Rattus norvegicus
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: 1- 925
<223> OTHER INFORMATION: n = g, a, c or t(u)
<400> SEQUENCE: 1

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|------------|-------------|------------|------------|------------|-------------|-----|
| gggggaaaac | cnggnaattg | ttttttgacg | anccaaaaag | gggncnagna | gennttntcc | 60 |
| tanatggggn | cgggatcntn | tccnaggana | gattnatgga | gtatnccttt | tttgcncnaa | 120 |
| ggttgattgc | tcttgaaagg | ntttgaggtg | naattcctcc | gtnagtttga | ccgtagtcgg | 180 |
| atntgaagag | ggattgttna | gcagncataa | tttcattccc | tgnacacca | gtaacnnttt | 240 |
| accgtcattt | ggttgggaat | tgatntcggg | aggtancaan | ggccacagtt | at ttattgtt | 300 |
| ncggaggatt | gcaccaattn | ggccggctgc | ctctganatc | tgtttctcat | ccatgccggt | 360 |
| tcaccagac | gaaagccgaa | agcntcggga | gtcctaactn | tagtccntga | aagtcattcc | 420 |
| cagctgcgta | attgggctgt | gcagagtccc | agctcggtaa | atatttgccc | cgtgactgag | 480 |
| ctggagagaa | tgctcctttc | ttggtcctgg | gcagctcttg | gcagctcaca | tgcactgttt | 540 |
| acctatcctc | ccacattccc | ccctgaggaa | tcctcgtgcc | tcggttccct | taagtcctct | 600 |
| caacagaaaa | caaggcagag | tggaacgaag | gaaagtgcgt | ggccgtaga | aagcctgtct | 660 |
| cgaatctgtc | ccacgtgcct | caggtagcgt | tccaaacagc | aaagattcta | gtgaagaaaa | 720 |
| ataccgtccg | gtcaattagt | caggtggaca | gagcaggacc | cgggtgtctg | gaagcctcgt | 780 |
| ccattcctct | ggggaagggtg | ggggggggcg | tgtaatgcag | ctctcaagaa | gaaggatattt | 840 |
| ttgttttctc | ggagaaaactg | ccatcccagg | agctgagagt | ggatcagtag | gaaggcctgt | 900 |
| gacaggaagc | agggagggttc | agcng | | | | 925 |

<210> SEQ ID NO 2
<211> LENGTH: 554
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<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: 1- 554
<223> OTHER INFORMATION: n = g, a, c or t(u)
<400> SEQUENCE: 2

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|-------------|------------|------------|------------|------------|------------|-----|
| caagatngan | ggggcggcgg | ttcgnccaga | gagcgggtag | ggaagggaac | gcgccggatg | 60 |
| agccnggggtg | cgganagcca | gacccaggc | gtgggaaggg | gagagagata | gagcgggccg | 120 |
| ttgggaagag | gaggaccgtg | gttnataaat | aacagaaagc | ccagagggac | gtanccatcc | 180 |
| gggatggaga | gaggtaggga | atccagntgt | aagtcccaaa | ctgccaccac | cttcatnaga | 240 |
| actgcttcgt | gtaaggtcac | gcaccgggcc | agctgtccng | agtggcggtc | ctggcggtgt | 300 |
| aagttagcta | aagtnactgc | aactccgnct | gtgcagactg | ntcgtaaatt | ctctctgtcc | 360 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| gccaaattct | ccctcctatt | aaacttttca | cttcctttca | cttagtttcc | tnacttcttt | 420 |
| caaacggaag | ctgtaactga | gcctgccacc | cnganacntt | gtggttgcca | tttttatgct | 480 |
| aaagtaatcg | tgttttttat | gcctgtcaac | tcccttttca | tntaaagcag | ggcntaccct | 540 |
| attataactc | tgcc | | | | | 554 |

<210> SEQ ID NO 3
<211> LENGTH: 891
<212> TYPE: DNA
<213> ORGANISM: Rattus norvegicus
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: 1- 878
<223> OTHER INFORMATION: n = g, a, c or t(u)
<400> SEQUENCE: 3

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|------------|------------|-------------|------------|------------|------------|-----|
| ttngaaanaa | tttccgtnaa | ggtcngnaat | nggccccgga | aaaaatgngt | tcctccccac | 60 |
| cttcattggn | gcggatcctg | ccngggaggc | caatggttta | acaaataatc | tttnggagnt | 120 |
| ntggtngggg | ggggagggac | ncccacagan | tcatgnggtg | gttngggngg | ngggcatcgt | 180 |
| tnngatatta | tcacattntg | ngaancatg | tnggggcttc | ctttcngaca | gggtggtggt | 240 |
| nnacangngg | atgtgtgctt | cttttttcag | cagtggtgga | cccggattct | aagaccetta | 300 |
| cngtaacaat | gcctnttttt | cctaagccta | accagtcctt | tangaggant | gctcttgggn | 360 |
| acccatgctg | nntcacctag | ccttggncca | catnttnnac | acaggaaaag | gcagcatgtc | 420 |
| ttntnggagc | tcagcttatt | cccttccent | cccatccagn | atctccctgg | gntggatgag | 480 |
| gtggatgacg | catcttcaaa | gcacccccacg | tntcatggga | tgtgcacagg | agcttcggtg | 540 |
| gaaatgtggt | gcgcgaccag | gcttgtgtag | gaaacaacag | actactcgaa | attaaagtcn | 600 |
| taccttgcag | ggttctcaga | ggcttttacg | cattaataaa | catttgaatc | ntaagaaggg | 660 |
| agcacagcat | gtaatatnt | tcaaattatc | aggcnttgca | accttcatta | gtttctctta | 720 |
| cgcagctggg | ngtggtggtg | tgtaccttta | atctcagcac | tgaggaggca | cngatatctc | 780 |
| catctctgtg | acttccagac | cggcntcgcc | agagcaagtt | ccaggccacc | cagatgagat | 840 |
| gctcacagag | gggacctttt | tntgatgacc | aacgnagnat | gcaagtaagg | a | 891 |

<210> SEQ ID NO 4
<211> LENGTH: 974
<212> TYPE: DNA
<213> ORGANISM: Rattus norvegicus
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: 1- 974
<223> OTHER INFORMATION: n = g, a, c or t(u)
<400> SEQUENCE: 4

| | | | | | | |
|------------|-------------|------------|-------------|-------------|------------|-----|
| aaaanaanat | attccgnntc | tnntagenna | gaagtntnnc | gagenntccc | ccgtnttttt | 60 |
| aaaaaccnc | ggattccggn | nntcgggntt | taanngnntt | tttaanggcc | cnaagncccn | 120 |
| nttattgccg | ncntttcccc | cccgtnttg | cncctttta | cttngagant | ngtgntncna | 180 |
| agatttnaag | gttnttgccc | ccccggcttt | tnttccccn | nttttcccn | nagntttaaa | 240 |
| accggtntgg | gttnncnantt | nnttgnancc | nccnattggg | gtttccgntt | accnggggtt | 300 |
| ttccccatgn | ccgttccctc | caatnttgna | cttcccnggt | cnggggtcna | atnccnngna | 360 |
| acngntcnan | ccttattgac | aattaatttt | tccttgngna | ntctgncccc | cngnantttg | 420 |
| gggttcttgg | gngcagggcc | tttttttct | tggngncaan | cncataaatn | ttaccagntt | 480 |
| gattgctaag | gaagtancca | tggttgngaa | cccccccttn | ttntctccca | gatggaaccc | 540 |
| aggatttttg | aactgcagag | gcttcagggt | cttgggaagc | ggaggcaggn | aaagattgga | 600 |
| gtgcactgtc | cttttgcaat | atgggggttg | cctgcctgct | ggctcntctc | ctgctntntc | 660 |
| agatggtgac | tgaggctact | tcngcaggac | tnggaataat | catgtccagg | tggctgccct | 720 |
| tccgagcaga | aaggacaga | cgtggggcga | tgaagtgtgct | atcgtttntt | tttttttctg | 780 |
| cacagactgc | aaagtgtgca | gagggagggg | ggctgtgcaa | aaaaaaaaa | aaaaaaaaa | 840 |
| aaaaaaaaa | ccgaggacgc | agaagttaga | ctgctgaccc | atttgggtgca | tgtgtgcccc | 900 |
| tggagggagg | ggaccttntt | taaagggttc | acgcggcacg | cantgggnaa | nngnnccnt | 960 |
| acgnnnctcc | caga | | | | | 974 |

<210> SEQ ID NO 5
 <211> LENGTH: 850
 <212> TYPE: DNA
 <213> ORGANISM: Rattus norvegicus
 <220> FEATURE:
 <221> NAME/KEY: misc_feature
 <222> LOCATION: 1- 850
 <223> OTHER INFORMATION: n = g, a, c or t(u)
 <400> SEQUENCE: 5

| | | | | | | |
|------------|------------|------------|-------------|------------|------------|-----|
| anttttccct | caagnaaant | ntggtttggg | caacttgaag | acgcttnnac | cnaaaaccct | 60 |
| tgnngagntt | ggngaccttn | ttaccgnaan | gagtgggaaa | cgttttcctc | cgggttnang | 120 |
| gttaggggga | cccgnggaa | aattttaaaa | ccnngngggc | tttttcgaat | taaggggaaa | 180 |
| ngcggtttng | gtnnntgaag | ggcgggnggt | tggagtenna | gtccagagtt | gatttccacc | 240 |
| cacaaatntg | ggaggtgncg | gggaatgntg | ncnttttctt | gngatgaggg | ntgccgtnc | 300 |
| ggantaacag | ngnttgcntt | gtntngcnaa | acgaagagtn | tcctgnttgg | aataggngtt | 360 |
| cngttcgang | ganccagatt | tangngntgg | agnaaggatt | nggcagataa | angcntgaga | 420 |
| natgnancnt | ggancaggtc | nggncnnagn | ntacagatga | tgnncccana | canganataa | 480 |
| ntncagatca | cagtcgtacc | cgnggctggg | ccatgaanag | ggcatcccca | gacnnacaca | 540 |
| ngccttnana | antgntcaga | gaaccancag | tggntanggg | ntgccnnnn | naccagggaa | 600 |
| gacccggggc | gtgncggata | ttgacacanc | agatnnccatt | tggggncggg | tcgaggggtn | 660 |
| atgntcnccg | agtacnagan | angatcntcc | aacccggaat | ncggtgctcc | ngtcgtccga | 720 |
| tgnaatgagt | cgnccggnaa | cctcatatcc | aagaaacnat | acagcagtgg | nntccgagtc | 780 |
| tcgtatantc | nttgcgggng | gaggctatnt | tcagaggnc | agattaccgt | tagcgggana | 840 |
| aagtngaana | | | | | | 850 |

<210> SEQ ID NO 6
 <211> LENGTH: 531
 <212> TYPE: DNA
 <213> ORGANISM: Rattus norvegicus
 <220> FEATURE:
 <221> NAME/KEY: misc_feature
 <222> LOCATION: 1- 531
 <223> OTHER INFORMATION: n = g, a, c or t(u)
 <400> SEQUENCE: 6

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|------------|------------|-------------|------------|------------|------------|-----|
| ttgnggcngg | gtctcctctg | ngtgngngtn | tcccnanag | ggggggctct | acagtgtnng | 60 |
| ngtctnntgt | ctgtgtngtg | cccctgtccn | catctctcac | nccagggaga | gagatgtgag | 120 |
| ananacatca | gagatctctn | gnacagtgtt | tcacaagagt | ctatcnana | gagcacatct | 180 |
| gcccggggng | anacacaact | ctaaatgtgt | ctcanntgat | ctctctnttg | tgtctctnac | 240 |
| atatgnggac | atgctctcag | agtatnggnt | ctcttgngcn | cttntgcaca | cacacacaca | 300 |
| cacacacaca | cacacacaca | cacncttctc | tctggcacag | ggntatggca | nagcacatnt | 360 |
| tnngagntca | nagctntata | tgagtgtgtg | gcgaaaggng | tnatnanann | gacnncccca | 420 |
| gcnnatatag | gggggngnnc | tctnngggctc | tcttnggnaa | tntgngggng | agtctgcnc | 480 |
| cacaggcgct | cnnacccanc | nnnttggggc | ccccaggng | tttttcnccc | c | 531 |

<210> SEQ ID NO 7
 <211> LENGTH: 572
 <212> TYPE: DNA
 <213> ORGANISM: Rattus norvegicus
 <220> FEATURE:
 <221> NAME/KEY: misc_feature
 <222> LOCATION: 1- 572
 <223> OTHER INFORMATION: n = g, a, c or t(u)
 <400> SEQUENCE: 7

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| tttttntgtg | gccctttaaa | ctctgngtgn | ccgtntnccc | nagagggggg | gtctcacaag | 60 |
| gagacancgg | nnacacagag | gttttgngnn | tattgngagt | ctctgcgcac | nccananttt | 120 |
| aaccncgggg | nctcntgttt | tattttaaaa | aaaaagagtc | ncatgtntat | ttctctnatg | 180 |
| tgaaaatcnc | attcanagtt | ntgggggttc | ccntgaggag | anatagagtt | tcacactctt | 240 |

| | | | | | | |
|------------|------------|------------|------------|------------|------------|-----|
| ctctccgagg | ggtentenca | tgtntctccc | caatgtgngn | ggnacacaca | tngggccccc | 300 |
| agggggtgng | ctctctctgc | ncagggcncc | ccccaanang | tagaganaca | ntgtggtgtt | 360 |
| tcacaacaca | attcncgaga | nattntgttc | cncantggnn | gtctnagntc | ncatgttgtg | 420 |
| gngacangtt | agnncncccc | atnttcnccc | ccctttcaca | ctgccccnag | agagagaaan | 480 |
| tctngggccc | ctctanannt | ntttttaaat | cnccccnnac | cacaggtntt | cccaggggat | 540 |
| gngacntcnc | cnnccccncn | aaagatntgc | nc | | | 572 |

<210> SEQ ID NO 8
 <211> LENGTH: 906
 <212> TYPE: DNA
 <213> ORGANISM: Rattus norvegicus
 <220> FEATURE:
 <221> NAME/KEY: misc_feature
 <222> LOCATION: 1- 906
 <223> OTHER INFORMATION: n = g, a, c or t(u)
 <400> SEQUENCE: 8

| | | | | | | |
|------------|-------------|------------|------------|------------|-------------|-----|
| tgggagtctc | tctcatatgg | cgcnttcncc | aaaggggngt | ctctntccng | agnccganac | 60 |
| gcgagaanac | tctgtnnant | ngtctccccc | cncncnaca | gngtganant | caaaacctct | 120 |
| agagcccccc | agaaancccc | tntctcaaan | aaagagaaag | agaagancga | gnagnagaga | 180 |
| gananagaga | gagagagtgt | gganctntnt | cctcngancc | ccannnanan | ngtgnggcnc | 240 |
| actcncnngt | gnngngnacc | ccnggggatt | tncgcgtgtc | cccttgngct | ctgtntanga | 300 |
| gananatatg | tntagtctct | ctntcgcccc | ctccgntgtc | acgtgtgcgg | ggcccnngag | 360 |
| acacagacac | ntctctcang | gggaacacat | anngactcnc | acntgtgttt | atattcnccc | 420 |
| ctcccnctca | cacanaacaca | cacacagnag | atattnngct | actctctctc | tgtcacaggg | 480 |
| gtacanattt | antctnggcc | anacccctct | cngaagnngn | ggcanngtaa | accccgcccc | 540 |
| ctctcngaga | angngagggc | gntttacntt | ccngtgggcg | tgtncgngcc | cccagagactc | 600 |
| cccttngnac | ccccctntna | accctctntt | tgaacncaac | ncacntccc | cnttttctcg | 660 |
| gggnnggncc | ngcncccnct | ctcncaaaaa | aaattnnaan | ttngtccct | nccccntnt | 720 |
| ttcnggnana | aaccgtgtcc | ggggggggan | nactcttttt | tgnccctaaa | atcaantttt | 780 |
| ttcccccttt | ccngggggacc | cccgnttcc | tttttaaaaa | aaaanaaccc | tttctccctt | 840 |
| ttaaaagnac | ccnttttttc | naaaaccgtt | ccgnatttaa | ttcctaaatt | cccttccccc | 900 |
| ncccg | | | | | | 906 |

<210> SEQ ID NO 9
 <211> LENGTH: 914
 <212> TYPE: DNA
 <213> ORGANISM: Rattus norvegicus
 <220> FEATURE:
 <221> NAME/KEY: misc_feature
 <222> LOCATION: 1- 914
 <223> OTHER INFORMATION: n = g, a, c or t(u)
 <400> SEQUENCE: 9

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| gggatgngcc | ctcagatcaa | tacaccctc | ngggggngtc | tctctctatc | tcccnacagna | 60 |
| gactcccatc | tctntntntn | ccccaganc | tggngaacgg | ngtgtggnga | ncntntctg | 120 |
| ttctcnantc | tctaaaagng | cnaaaagcgc | ananacacgn | gcctctctat | anatctcacg | 180 |
| tgtcccnngn | nctctcngac | ccctnntctg | tntgagagac | accctntctc | aaaatatagt | 240 |
| gtacacgnge | tttgnggetc | tccctttttc | tctccactnt | tgagnngaa | acgcggngtt | 300 |
| ntctctgaga | tgtaganagn | gtccctnct | cnatatatgt | gttncctact | ccnnagggng | 360 |
| tctcataaaa | atcncntntc | tcaacaccac | cncctcnacc | ccccncacga | gaacacntcn | 420 |
| ccaccncnan | gacacaaana | naaggngtnn | anaaccccan | aaaaactnng | ntntcngntt | 480 |
| tacacacaca | cacacncacn | ctcncncaca | ccccacnna | aatgggagaa | aaaacagaga | 540 |
| ggngtgggtg | ttngnntcaa | cacctnttta | cctctctgnt | gnnanttgag | aaaatatattc | 600 |
| tntncttacc | cctctccct | ctctgtgtgt | ngannatate | ngntctagat | gtcctnacct | 660 |
| tccccaaacc | tttctcnggn | agagacntct | ctntnttttt | cccccncttc | catttgaaan | 720 |
| anangagaag | gnccaaaaag | gngggngtct | tctcgggaat | ncnccctttt | ggccccccaa | 780 |
| cctgggtttt | tttccccctt | cctttttaatn | antttttcna | nacaaanctt | tnngngtttn | 840 |
| ggaaaangcc | tttnnctgnn | nnttttttcc | cttccccctt | tnnangggnt | tcccccccc | 900 |

<210> SEQ ID NO 10

<211> LENGTH: 400

<212> TYPE: DNA

<213> ORGANISM: Rattus norvegicus

<220> FEATURE:

<221> NAME/KEY: misc_feature

<222> LOCATION: 1- 400

<223> OTHER INFORMATION: n = g, a, c or t(u)

<400> SEQUENCE: 10

| | | | | | | |
|------------|------------|-------------|------------|------------|-------------|-----|
| ttcctgggtg | cggctctctc | tgagatagt | tatcccctat | aggggggggc | tcacttttagc | 60 |
| acagtttatg | aatattatta | catatttcac | aagactttat | attgttataa | tatgcctcat | 120 |
| gtgagatata | tgtgattctg | tggtgggtgt | ctcagagggg | gtttgggtta | ttggggataa | 180 |
| tagtttgccc | ctcgcggggg | ctatatattat | atatgtgaca | caatatatta | gagagatttt | 240 |
| tggttatata | tatttcctct | cgcgggggtg | gagatttate | acagggggag | agctttttccc | 300 |
| ttgttagcaa | aagtccttgg | tctcgtcccc | catctcccaa | aaaaaaaaaa | atgtgaaaaa | 360 |
| aaaaaaaaaa | agggccctct | ttgagtgatg | tccccttctt | | | 400 |

<210> SEQ ID NO 11

<211> LENGTH: 880

<212> TYPE: DNA

<213> ORGANISM: Rattus norvegicus

<220> FEATURE:

<221> NAME/KEY: misc_feature

<222> LOCATION: 1- 880

<223> OTHER INFORMATION: n = g, a, c or t(u)

<400> SEQUENCE: 11

| | | | | | | |
|-------------|------------|-------------|------------|------------|------------|-----|
| acccaatctt | nanggtggca | gtgnngnnga | tcttaacggt | tttnagaaa | aaaaantnct | 60 |
| tgcctcncac | ccccaaacct | ccntttctta | ncagcttttt | tatangaaaa | aagatgataa | 120 |
| cgaaatttta | aaaaccgtcg | ttagaggaaa | tgaagggtca | gccgaccatt | acctganagt | 180 |
| aatgaaggtn | ttccggaggg | ttgccttcca | atcccagatg | gatttgagtt | tcaggatcaa | 240 |
| ttcagttacc | gntgaccatc | caccnncttc | cngtataatc | attngatgag | gatgaatggt | 300 |
| gagtgagtga | tgatgatgat | gatgatgatg | aagggatgag | aagnacacta | tgataacaag | 360 |
| tgtctcagtc | cacattaagg | tttgccctgna | aattagtgca | taagccatgg | gagacaaatt | 420 |
| cttttcennac | acaattaata | gtntcttant | ccttcccac | ttctctgccc | cattctgttt | 480 |
| tccaccacag | gtctgcagcg | ggctacagct | tccagtctcc | aagcaaatac | cagaactgga | 540 |
| ggagaaaatt | ccagtccagt | gagtcatggg | cagggggagg | ggtggggtaa | gggcagtggc | 600 |
| gctcattcct | nacatgggtg | cttctcttgc | ctagcctggg | atctgagggc | aagagaacct | 660 |
| gtaagcttga | tttgatttcc | actgctgact | ggagtcactg | ccaagggatt | tgggacttct | 720 |
| ccatctctct | ctctaacctg | aaatccttag | gattctatta | tttcaccgga | ccagagctgt | 780 |
| agcagagatg | agctccaagt | ttgaaatgag | aaaggggaaa | ttgagagcta | tgagctaggn | 840 |
| gcgaaagncc | ccacaaagnn | tttggcaagt | agaaaagncg | | | 880 |

<210> SEQ ID NO 12

<211> LENGTH: 909

<212> TYPE: DNA

<213> ORGANISM: Rattus norvegicus

<220> FEATURE:

<221> NAME/KEY: misc_feature

<222> LOCATION: 1- 909

<223> OTHER INFORMATION: n = g, a, c or t(u)

<400> SEQUENCE: 12

| | | | | | | |
|------------|-------------|------------|------------|------------|------------|-----|
| cgngagnngg | cagggannna | ggngggagcn | ngagaggaga | aggagaaggn | nnggnaggng | 60 |
| nngngagnaa | cgggcgggan | cnnnngacga | gagaangggg | aggggancga | agngcggngg | 120 |
| nagacgggtg | nnggggggga | ggggcaggag | nggnagagag | gcangagnng | agnggggaca | 180 |
| agcnnaaanc | gaggagggnan | gangngangg | nnggnngngc | gaaggcgcn | aagnnggtcg | 240 |

| | | | | | | |
|------------|------------|-------------|------------|-------------|------------|-----|
| gngagcggna | gnggnnaaac | tgggggaacga | gacagacggc | cccnncggng | gcangnggga | 300 |
| gagnnncgcc | agngagagna | gncagnanca | gancanggga | gggggggggan | ncacnggcgg | 360 |
| gagggncgan | gacggnnngn | annggnnaga | ggcannnnnc | gccnanagng | ngaagngagg | 420 |
| cangagtgnc | gcnnagnag | acaggcccgc | gcncgggggg | cagacnnngg | ncaccaccga | 480 |
| gggtggngg | ggcncggaga | naagaccaga | ggnnngagg | cganggcnn | ggtnngcccg | 540 |
| ggccnccna | aaaaaanncc | gaaaaaaaaa | aaggggcgc | gcngggcng | ggaggagcgc | 600 |
| ntnncgtang | tngantgacg | gagggcngna | atngggccgn | gccanncnag | ggcgnagagg | 660 |
| cccaagngcg | gnaggngnaa | gnanagancc | ngnnggtng | gagnganagn | gcnnngnncc | 720 |
| nacccccngn | gttganggc | cccacgncg | ngcaggccgn | nnaaagngag | tcccnaaaa | 780 |
| nntcgnggt | tnacancgnc | ccggggncgc | cgcnngtcc | cgncacacng | gannncggag | 840 |
| anngcctnnt | ntctncacan | ggngccanac | nngntgctat | gcaaaagggg | cgnacttcna | 900 |
| gaaaaagnc | | | | | | 909 |

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<222> LOCATION: 1- 927
<223> OTHER INFORMATION: n = g, a, c or t(u)
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| ncccnngggg | gggggnttnt | ccagggaant | aaaanggtgn | gttggggggg | aaaaatttat | 120 |
| tttnaaaaag | ggcgncnat | ataaangacn | ttcggggggg | tttgaanagg | gccggaancn | 180 |
| tcgacggggt | tccggngggg | ganaaggana | agggnacgca | cgggatttct | tncccttttt | 240 |
| tngcaaattg | cngcaggana | ccaccgggtg | gggnggtttt | gttttccgtn | aagaaagcgg | 300 |
| gngtggaaaa | acanggataa | acgggaagan | ggggttat | nggttagnaa | ttgnttccag | 360 |
| nggngccagg | aaattggcct | gtccaaaatt | cttttcccng | cttttaagac | aggcaggtat | 420 |
| tatttggcag | caggttatta | cnataggnaa | gtaaataaca | atgggtaagt | gcctggcaca | 480 |
| ggccagggtg | agtagggcat | gtatggaatg | ttaaacatta | cccttcatcc | tgagaaanaa | 540 |
| aanacaagna | anaaaggctg | gtctcacata | tcccaaagct | ttatcttent | aggtgcccc | 600 |
| tggtgaacgt | taagccaagc | ntatgantca | caagggacga | catgggcagg | ntagggtaga | 660 |
| gaatcagtgn | tcagagactc | caggggcacc | cctgattccc | tttgctgtca | cacagacact | 720 |
| gctccaggga | caaccctccg | gatgtgagta | tatgacttcc | tgatgggtgac | gctgccgtga | 780 |
| tgggacactc | ntcgtggtag | cacacattcc | tcagtcagct | tctgagcntc | agggtcccag | 840 |